

REMARKS

Invention Election with Traverse

The Office action mailed 26 June 2006 requires election of one of Groups I and II. Applicant elects Group I (claims 1-18 and 22 - 29) with traverse. Applicant respectfully traverses the identification of Groups I and II as relating to separate inventions. Applicant submits that the restriction required by the Office action is improper.

Claim 1 recites “determining a timing offset between the first bus and the second bus,” and, “broadcasting the timing offset to the one or more devices on the second bus so that the one or more devices on the second bus can adjust their timing to be synchronized with the one or more devices on the first bus.” Claim 19 recites “determining a first timing offset between the first bus and the separate master bus” and “determining a second timing offset between the second bus and the separate master bus,” (which is a special case of determining the timing offset between the first and second buses), and “broadcasting the first timing offset to the one or more devices on the first bus and the second timing offset to the one or more devices on the second bus so that the one or more devices on the first bus and the one or more devices on the second bus all begin their respective operational cycles at the same global time.” (which is a special case of broadcasting the timing offset to the devices on the second bus). Applicant respectfully submits that claim 1 is generic to claim 19. Therefore, the Applicant submits that examination of all of claims 1 - 29 (i.e. both of Groups I and II) is appropriate.

Species Election with Traverse

The Office action mailed 26 June 2006 requires election of one of the species identified in each of Groups A to E.

Applicant elects species a (claim 4) from Group A with traverse. Species a and b of Group A, as set out on page 3 of the Office action mailed 26 June 2006 are not mutually exclusive (see MPEP §806.04(f)). As disclosed in paragraph [0019] of the description, both first and higher order derivatives may be used to calculate the drift rate.

Applicant elects species c (claims 7 and 24) from Group B with traverse. Species c and d of Group B, as set out on page 3 of the Office action mailed 26 June 2006 are not mutually exclusive (see MPEP §806.04(f)). As disclosed in paragraphs [0026] to [0029] of the description, the desired timing of devices on the second bus may be adjusted based on the timing offset, and any deviance from the desired timing may be corrected by adjustably controlling a delay.

Applicant elects species g (claim 12) from Group C.

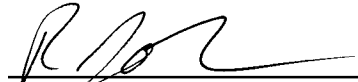
Applicant elects species i (claim 16) from Group D.

Applicant elects species k (claim 26) from Group E.

Applicant requests favorable action on this application.

Respectfully submitted,

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